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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Adityo Prakash, et al.

Serial No. 10/032,394

Filed: December 19, 2001

Title: ***ADAPTIVE TRANSFORMS***

Examiner: not yet known

Art Unit: 2613

Atty. Dkt. No.: 10006.00610

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Commissioner of Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Under 37 C.F.R. §1.56 and §§1.97-98

Sir:

Pursuant to the provisions of 37 CFR 1.56 and §§1.97-98, enclosed herewith is form PTO/SB/08 (substitute for form 1449A/PTO) listing references which may be material to the examination of this application, and with respect to which there may be a duty to disclose. The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

A copy of each listed reference is enclosed herewith, unless no such copy is required pursuant to 37 CFR § 1.98(d).

- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. [SERIAL NUMBER], filed on [FILING DATE], and the references cited therein are hereby listed but are not required to be provided in this application under 37 CFR § 1.98(d).

Pursuant to 37 CFR §1.97, this Information Disclosure Statement is being submitted under the section indicated below.

☒ 37 CFR §1.97(b).

☐ 37 CFR §1.97(c). If so, then either:

☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that either:

- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56 (c) more than three months prior to the filing of this Statement.

OR

☐ Applicant submits the petition fee of \$180 as set forth in 37 CFR § 1.17(p).

☐ 37 CFR § 1.97(d). If so, then both:

☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that either:

- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement.

AND

☐ Applicant submits the petition fee of \$180 as set forth in 37 CFR § 1.17(p).

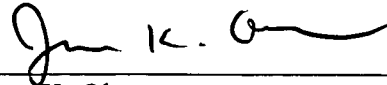
Consideration of the listed references and favorable action are respectfully solicited.

Respectfully submitted,

Adityo Prakash, et al.

Dated: May 22, 2002

By:



James K. Okamoto

Attorney For Applicant(s)

Reg. No. 40,110

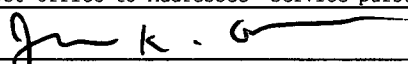
DEGUZMAN OKAMOTO & BENEDICT LLP


P.O. Box 51900

Palo Alto, CA. 94303

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Complete if Known

Application Number	10/032,394
Filing Date	December 19, 2001
First Named Inventor	Adityo Prakash
Group Art Unit	2613
Examiner Name	not yet known
Attorney Docket Number	10006.000610

(use as many sheets as necessary)

Sheet	1	of	2
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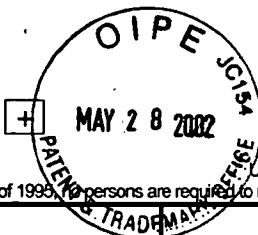
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

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Application Number	10/032,394
Filing Date	December 19, 2000
First Named Inventor	Adityo Prakash
Group Art Unit	2613
Examiner Name	not yet known
Attorney Docket Number	10006.000610

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C	PETER J. BURT, et al., The Laplacian Pyramid as a Compact Image Code; April 1983, pgs. 532-540, Vol. COM-31; IEEE Transactions on Communications.	
	D	AMIR SAID, et al., A New, Fast, and Efficient Image Codec Based on Set Partitioning in Hierarchical Trees; June 1996, pgs. 243-250, Vol. 6 No. 3; IEEE Transactions on Circuits and Systems for Video Technology.	
	E	MICHAEL W. MARCELLIN, et al., Trellis Coded Quantization of Memoryless and Gauss-Markov Sources; January 1990, pgs. 82-93, Vol. 38 No. 1; IEEE Transactions on Communications.	
	F	JEROME M. SHAPIRO, An Embedded Hierarchical Image Coder Using Zerotrees Of Wavelet Coefficients; pgs. January 1993, pgs. 214-223The David Sarnoff Research Center, Princeton, N.J.	
	G	THOMAS SIKORA, et al., Express Letters; June 1995, pgs. 254-258, Vol. 5 No. 3; IEEE Transactions on Circuits and Systems for Video Technology.	
	H	ANDRE KAUP, Object-Based Texture Coding of Moving Video in MPEG-4; February 1999, pgs.5-15, Vol. 9 No. 1; IEEE Transactions on Circuits and Systems for Video Technology.	
	I	JIN LI, et al., Arbitrary Shape Wavelet Transforms with Phase Alignment; January 1998, pgs. 683-687; Digital Video, Sharp Laboratories of America, Camas, WA.	
	J	RONALD R. COIFMAN, et al., Signal Processing and Compression with Wavelet Packets; 5 April 1990, pgs. 1-10; Numerical Algorithms Research Group, Yale University, Connecticut.	
	K	WIM SWELDENS, The Lifting Scheme: A Custom-Design Construction of Biorthogonal Wavelets; Nov. 1994, revised Nov. 1995, pgs. 186-200; Article No. 0015; AT&T Bell Laboratories, Murray Hill, NJ.	
	L	WIM SWELDENS, Industrial Mathematics Initiative; Research Report, pgs. 1-34; The University of South Carolina, Department of Mathematics, Carolina.	
	M	INGRID DAUBECHIES, Ten Lectures on Wavelets; Society For Industrial and Applied Mathematics, Philadelphia Pennsylvania 1992.	
	N	MARK DE BERG, et al.; Computational Geometry, Algorithms and Applications; Department of Computer Science, Utrecht University, The Netherlands; Pohang University of Science and Technology, South Korea.	

Examiner Signature	/Dennis Rosario/	Date Considered	07/13/2010
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/032,394	
	Filing Date	December 19, 2001	
	First Named Inventor	Adityo Prakash	
	Group Art Unit	2613	
	Examiner Name	not yet known	
Total Number of Pages in This Submission	6 **	Attorney Docket Number	10006.000610

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	James K. Okamoto, Reg. No. 40,110 DEGUZMAN OKAMOTO & BENEDICTO, LLP.
Signature	
Date	May 22, 2002

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